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Proposed Maximum Residue Limit PMRL2010-57

S-metolachlor

(publié aussi en français)

18 November 2010

This document is published by the Health Canada Pest Management Regulatory Agency. For further information, please contact:

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HC Pub: 100398

ISBN: 978-1-100-16572-1 (978-1-100-16573-8)
Catalogue number: H113-24/2010-57E (H113-24/2010-57E-PDF)

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of new uses on field peppers and transplanted mustard greens to the product labels of Dual Magnum Herbicide and Dual II Magnum Herbicide, containing technical grade S-metolachlor, is acceptable. The specific uses approved in Canada are detailed on the labels of Dual Magnum and Dual II Magnum, *Pest Control Products Act* Registration Numbers 25728 and 25729, respectively.

The evaluation of these S-metolachlor applications indicated that the end-use products have merit and value and that the human health and environmental risks associated with the new uses are acceptable. Details regarding the registrations can be found in the corresponding Evaluation Reports that are available in the Pesticides and Pest Management section of Health Canada's website, under Public Registry, Pesticide Product Information Database.[1]

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for S-metolachlor is being conducted via this document (see Next Steps, the last section of this document).

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

[1] The relevant report can be accessed by selecting the Programs and Special Actions/Minor Use/Historical tab and opening the Evaluation Report found under Application Number 2010-0414 (Dual) or 2010-0418 (Dual II).

The proposed MRLs for S-metolachlor in Canada in or on food, to replace or be added to the MRLs already legally established, are as follows.

Table 1 Proposed Maximum Residue Limits for S-metolachlor

Common Name	Residue Definition	MRL (ppm)	Food Commodity
S-metolachlor	2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-[(1*S*)-2-methoxy-1-methylethyl]acetamide and 2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-[(1*R*)-2-methoxy-1-methylethyl]acetamide, including the metabolites 2-[(2-ethyl-6-methylphenyl)amino]-1-propanol and 4-(2-ethyl-6-methylphenyl)-2-hydroxy-5-methyl-3-morpholinone	0.9 0.1	Leafy Brassica greens (Crop Subgroup 5B) Fruiting vegetables* (Crop Group 8-09, except tomatoes)

* The 0.08 ppm MRL currently established for bell peppers is proposed for revision to reflect the fruiting vegetable crop group MRL. Note that tomatoes are not included under this action as a 0.1 ppm MRL is already established for the commodity.

A complete list of all MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

International Situation and Trade Implications

MRLs may vary from one country to another for a number of reasons, including differences in pesticide use patterns and the locations of the field crop trials used to generate residue chemistry data. Table 2 compares the proposed MRLs in Canada with corresponding American tolerances and Codex Alimentarius MRLs[2]. American tolerances are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide. Currently, Codex MRLs have not been established for S-metolachlor on any commodity. A listing of all established Codex MRLs is available on the Codex Alimentarius Pesticide Residues in Food website.

[2] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)	Codex MRL (ppm)
Leafy Brassica greens (Crop Subgroup 5B)	0.9	1.8	No MRL established
Fruiting vegetables (Crop Group 8-09)	0.1	0.1 (S-metolachlor on vegetables, fruiting, group 8, except tabasco pepper) 0.5 (S-metolachlor on pepper, tabasco) 0.5 (metolachlor on pepper, non-bell)	No MRL established

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for S-metolachlor up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for S-metolachlor and posting a corresponding Established Maximum Residue Limit document in the Pesticides and Pest Management section of Health Canada's website.

Appendix I

Crop Groups: Numbers and Definitions

Crop Group		Crop Subgroup (if applicable)		Food Commodities Included in the Crop Group or Subgroup
No.	**Name**	**No.**	**Name**	
5	Brassica (Cole) leafy vegetables	5B	Leafy Brassica greens	Bok choy Chinese cabbages Broccoli raab Collards Kale Mustard greens Mustard spinach Rape greens
8-09	Fruiting vegetables			African eggplants Bell peppers Bush tomatoes Coconas Currant tomatoes Eggplants Garden huckleberries Goji berries Groundcherries Martynias Naranjillas Non-bell peppers Okras Pea eggplants Pepinos Roselles Scarlet eggplants Sunberries Tomatillos Tomatoes* Tree tomatoes

* Excluded from this MRL action as a 0.1 ppm MRL is currently established for tomatoes.